

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000136

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B01D 11/04, C22B 3/02 // C22B 15:00, C22B 19:00, C22B 23:00, C22B 34:34,
C22B 60:02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B01D, C22B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA :

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3997445 A (GUNNAR HANNESTAD), 14 December 1976 (14.12.1976), column 1, line 4 - line 9; column 1, line 23 - line 25; column 1, line 47 - column 2, line 37, column 2, line 45 - line 46; figures: 1,2 --	1-2,5,12
A	US 5558780 A (MARK F. VANCAS), 24 Sept 1996 (24.09.1996), column 4, line 30 - line 62, figure 1 --	1-38
A	US 5662871 A (BROR NYMAN ET AL), 2 Sept 1997 (02.09.1997), column 1, line 5 - line 18; column 7, line 22 - line 26 --	1-38

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

28 June 2004

Date of mailing of the international search report

01-07-2004

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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/FI 2004/000136**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6132615 A (BROR NYMAN ET AL), 17 October 2000 (17.10.2000), column 1, line 6 - line 33; column 4, line 15 - line 18 -- -----	1-38

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/04/2004

International application No.

PCT/FI 2004/000136

US	3997445	A	14/12/1976	DE	2529003	A,C	15/01/1976
				FR	2276853	A,B	30/01/1976
				GB	1482246	A	10/08/1977
				JP	1202061	C	25/04/1984
				JP	51048766	A	27/04/1976
				JP	52032861	B	24/08/1977
				NL	162309	B,C	17/12/1979
				NL	7507699	A	06/01/1976
				NO	135084	B,C	01/11/1976
				NO	742415	A	06/01/1976
<hr/>				<hr/>			
US	5558780	A	24/09/1996	AU	678749	A,B	05/06/1997
				AU	715835	B	10/02/2000
				AU	2702895	A	05/01/1996
				AU	3681297	A	18/12/1997
				CA	2190097	A,C	21/12/1995
				WO	9534364	A	21/12/1995
<hr/>				<hr/>			
US	5662871	A	02/09/1997	AU	686250	B	05/02/1998
				AU	7889394	A	15/06/1995
				BR	9404833	A	01/08/1995
				CA	2137128	A	03/06/1995
				CN	1050522	B	22/03/2000
				CN	1110992	A	01/11/1995
				FI	96968	B,C	14/06/1996
				FI	935393	A	03/06/1995
				RU	2131470	C	10/06/1999
				ZA	9409133	A	24/07/1995
<hr/>				<hr/>			
US	6132615	A	17/10/2000	AU	721847	B	13/07/2000
				AU	2390297	A	19/11/1997
				BR	9709754	A	11/01/2000
				CA	2253280	A	06/11/1997
				CN	1082382	B	10/04/2002
				CN	1216934	A	19/05/1999
				FI	101199	B	00/00/0000
				FI	961830	A	31/10/1997
				WO	9740899	A	06/11/1997
				ZA	9703479	A	18/11/1997
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